

	L #	Hits	Search Text	DBs	Time Stamp
1	L1	6663	lubricant or plastic near5 granule or granulate	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 09:44 IBM_TDB	
2	L2	9	1 near10 (length near5 diameter)	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 09:38 IBM_TDB	
3	L3	48	1 and spheroniz\$5	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 07:23 IBM_TDB	
4	L4	559	(calcium or zinc) adj (soap or salt or stearate) near10 (granule or granulate)	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 07:23 IBM_TDB	
5	L5	17691 7	length near5 diameter	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 07:23 IBM_TDB	
6	L6	1026	cylindrical near5 (granule or granulate)	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 07:24 IBM_TDB	
7	L7	2954	spherical near5 (granule or granulate)	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 07:24 IBM_TDB	
8	L8	0	4 and 5 and 6 and 7	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 07:24 IBM_TDB	
9	L9	13	1 and 5 and 6 and 7	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 07:26 IBM_TDB	
10	L10	6	wo-9102047-s.did. or wo-9302176-s.did. or wo-9409111-s.did.	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 08:51 IBM_TDB	

	L #	Hits	Search Text	DBs	Time Stamp
11	L11	644	1.01.	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 07:40 IBM_TDB	
12	L15	11	11 and length near5 diameter	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 07:50 IBM_TDB	
13	L16	13317	twin adj screw adj extruder	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 07:30 IBM_TDB	
14	L17	1248	16 same temperature same pressure	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 07:31 IBM_TDB	
15	L12	17	plastic adj additive near5 (granule or granulate)	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 08:06 IBM_TDB	
16	L13	19	11 and (calcium or zinc)	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 07:30 IBM_TDB	
17	L18	28	1 and 6 and 7	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 07:34 IBM_TDB	
18	L19	26	1 and 17	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 07:37 IBM_TDB	
19	L20	1	de-3706356-s.did.	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 07:37 IBM_TDB	
20	L21	20740	lubricant or plastic or zinc or calcium or stabilizer near5 granule or granulate or head	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 07:47 IBM_TDB	

	L #	Hits	Search Text	DBs	Time Stamp
11	122	82	11 same length near5 diameter	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 07:38 IBM_TDB	
21	114	341	1 and length near5 diameter	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 07:40 IBM_TDB	
13	114	41	1 near5 spherical	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 07:45 IBM_TDB	
24	125	10413	lubricant or plastic or zinc or calcium near5 soap or salt or stearate or stabilizer near10 granule or granulate	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 07:54 IBM_TDB	
25	126	35	25 and 6 and 7	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 07:44 IBM_TDB	
26	127	140	25 and 16	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 07:50 IBM_TDB	
27	128	3061	(calcium or zinc) near5 (granule or granulate)	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 07:54 IBM_TDB	
28	129	1338	(calcium or zinc) near5 (granule or granulate)	EPO; DERWENT	2003/02/22 07:54
29	130	8	29 and length and diameter	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 07:54 IBM_TDB	
30	131	503	zinc or calcium near5 soap or salt or stearate near5 granule or granulate	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 07:58 IBM_TDB	

	L #	Hits	Search Text	DBs	Time Stamp
31	132	67	zinc or calcium near5 soap or salt or stearate near5 granule or granulate	EPO; DERWENT	2003/02/22 07:56
32	133	33	zinc or calcium near5 soap or stearate near5 granule or granulate	EPO; DERWENT	2003/02/22 07:56
33	134	368	zinc or calcium near5 soap or stearate near5 granule or granulate	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/22 07:57
34	135	1044	length near5 granule or granulate	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/22 07:57
35	136	7036	diameter near5 (granule or granulate)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/22 07:57
36	137	2954	spherical near5 (granule or granulate)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/22 07:57
37	138	4	34 and ((35 and 36) or 37)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/22 07:58
38	139	464	(granule or granular or granulate) near5 (length near5 diameter)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/22 08:00
39	140	27	39 and 16	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/22 08:00
40	141	111	39 and extruder	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/22 08:00

	L #	Hits	Search Text	DBs	Time Stamp
41	142	135	granule or granular or granulate near5 calcium or zinc adj stearate	USEPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 08:13 IBM_TDB	
42	143	99	granule or granular or granulate near5 calcium or zinc adj stearate	USOCR 2003/02/22 08:05	
43	144	4513	plastic near5 (granule or granulate)	USEPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 08:05 IBM_TDB	
44	145	75	44 and 16	USEPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 08:05 IBM_TDB	
45	146	7	5597857.URPN.	USEPAT 2003/02/22 08:05	
46	147	368	(lubricant or plastic) near5 (granule or granulate)	EPO 2003/02/22 08:09	
47	148	100	47.ti.	EPO 2003/02/22 08:09	
48	149	0	42 and (granular or granulate or granule) near10 (length near5 diameter)	USEPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 08:11 IBM_TDB	
49	150	0	42 and 6 and 7	USEPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 08:11 IBM_TDB	
50	151	2	42 and 7	USEPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 08:11 IBM_TDB	
51	152	0	42 and (granular or granulate or granule) near5 length and (granular or granulate or granule near5 diameter)	USEPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 08:13 IBM_TDB	
52	153	195	granular or granulate or granule near5 length and granular or granulate or granule near5 diameter	USEPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 08:14 IBM_TDB	

	L #	Hits	Search Text	DBs	Time Stamp
53	154	1	1 and 53	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 08:13 IBM_TDB	
54	155	314	granular or granulate or granule and 17	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 08:14 IBM_TDB	
55	156	26	1 and 55	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 08:14 IBM_TDB	
56	158	4	("4446086").PN.	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 08:22 IBM_TDB	
57	159	1	58 and (length and diameter or 17d)	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 08:51 IBM_TDB	
58	160	3	("5318733").PN.	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 08:41 IBM_TDB	
59	161	1	60 and (zinc or calcium)	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 09:00 IBM_TDB	
60	163	0	62 and (length and diameter or 17d)	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 08:51 IBM_TDB	
61	162	2	("5597857").PN.	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 08:52 IBM_TDB	
62	164	0	62 and length	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 08:59 IBM_TDB	

	L #	Hits	Search Text	DBs	Time Stamp
63	L65	1	62 and pressure	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 09:06 IBM_TDB	
64	L66	12	"5382377" .PN.	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 09:06 IBM_TDB	
65	L67	1	66 and (zinc or calcium)	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 09:07 IBM_TDB	
66	L68	5	("5318733" or "5597857").PN.	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 09:09 IBM_TDB	
67	L69	6	("4238384" "4442017" "4989878" "4957956" "5017628" "5240642").PN.	USPAT	2003/02/22 09:07
68	L70	7	5597857.URPN.	USPAT	2003/02/22 09:07
69	L71	4	("3627865" "3806285" "5002691" "5075058").PN.	USPAT	2003/02/22 09:07
70	L72	28	5318733.URPN.	USPAT	2003/02/22 09:08
71	L74	8	73 and 16	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 09:10 IBM_TDB	
72	L73	206	(speronizer or spheronized; and time and rpm	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 09:11 IBM_TDB	
73	L75	57	73 and plastic	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 09:11 IBM_TDB	
74	L76	3	"3277520" .PN.	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 09:12 IBM_TDB	

	L #	Hits	Search Text	DBs	Time Stamp
75	179	41	spheronizer or spheronized and residence adj time and rpm	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 09:13 IBM_TDB	
76	179	86	spheronizer or spheronized and residence adj time and rpm	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 09:31 IBM_TDB	
77	180	83	spheronizer or spheronized and time and rpm and "	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 09:44 IBM_TDB	
78	181	19250	detergent and surfactant same ((zinc or calcium) ajd2 (salt or soap or stearate) or metal adj soap)	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 09:33 IBM_TDB	
79	182	4	(spheroniz\$3 or spheronized) and time and rpm and 7 and 6	USPAT; US-PGPUB; EPO; 2003/02/22 JPI; DERWENT; 09:24 IBM_TDB	
80	183	311	Marumerizer	USPAT; US-PGPUB; EPO; 2003/02/22 JPI; DERWENT; 09:21 IBM_TDB	
81	184	5	83 and time and rpm and 7 and 6	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 09:27 IBM_TDB	
82	185	39	83 and time and rpm and 7	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 09:25 IBM_TDB	
83	186	20	rotating adj bottom adj disk	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 09:25 IBM_TDB	
84	187	0	spheronizer or spheronized and 86	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 09:25 IBM_TDB	

	L #	Hits	Search Text	DBs	Time Stamp
85	188	20	86 and bottom adj disk	USPAT; US-PGFUB; EPO; 2003/02/22 JPO; DERWENT; 09:26 IBM_TDB	
86	189	0	86 and time and rpm	USPAT; US-PGFUB; EPO; 2003/02/22 JPO; DERWENT; 09:27 IBM_TDB	
87	190	4	86 and time and speed	USPAT; US-PGFUB; EPO; 2003/02/22 JPO; DERWENT; 09:27 IBM_TDB	
88	191	3	(spheroniz\$3 or spheronized)	USOCR	2003/02/22 09:28
89	192	58	(spheroniz\$3 or spheronized) and time and rpm and 7	USPAT; US-PGFUB; EPO; 2003/02/22 JPO; DERWENT; 09:30 IBM_TDB	
90	193	49	(spheroniz\$3 or spheronized) and time and speed and 7	USPAT; US-PGFUB; EPO; 2003/02/22 JPO; DERWENT; 09:31 IBM_TDB	
91	194	20	93 not 92	USPAT; US-PGFUB; EPO; 2003/02/22 JPO; DERWENT; 09:31 IBM_TDB	
92	195	0	de-1294351-\$.did.	USPAT; US-PGFUB; EPO; 2003/02/22 JPO; DERWENT; 09:32 IBM_TDB	
93	196	4	("3741703").PN.	USPAT; US-PGFUB; EPO; 2003/02/22 JPO; DERWENT; 09:33 IBM_TDB	
94	197	7	3741703.UPPN.	USPAT	2003/02/22 09:33
95	198	1213	detergent and surfactant same zinc or calcium adj2 salt or soap or stearate or metal adj soap	USPAT; US-PGFUB; EPO; 2003/02/22 JPO; DERWENT; 09:34 IBM_TDB	

	L #	Hits	Search Text	DBs	Time Stamp
96	L99	264	98 and detergent.tl.	USPAT; US-PGFUB; EPO; 2003/02/22 JPO; DERWENT; 09:34 IBM_TDB	
97	L100	99164	zinc or calcium adj3 soap or stearate or salt or metal adj2 soap	USPAT; US-PGFUB; EPO; 2003/02/22 JPO; DERWENT; 09:37 IBM_TDB	
98	L101	306	lubricant or plastic near5 granule or granulate and lubricant or plastic near10 100	USPAT; US-PGFUB; EPO; 2003/02/22 JPO; DERWENT; 09:37 IBM_TDB	
99	L102	110	100 near5 (granule or granulate) and (lubricant or plastic) near10 100	USPAT; US-PGFUB; EPO; 2003/02/22 JPO; DERWENT; 09:37 IBM_TDB	
100	L103	17691 7	length near5 diameter	USPAT; US-PGFUB; EPO; 2003/02/22 JPO; DERWENT; 09:39 IBM_TDB	
101	L104	3	102 and 103	USPAT; US-PGFUB; EPO; 2003/02/22 JPO; DERWENT; 09:39 IBM_TDB	
102	L105	8	101 and 103	USPAT; US-PGFUB; EPO; 2003/02/22 JPO; DERWENT; 09:39 IBM_TDB	
103	L106	12	102 and length and diameter	USPAT; US-PGFUB; EPO; 2003/02/22 JPO; DERWENT; 09:41 IBM_TDB	
104	L107	4	"4235794" .PN.	USPAT; US-PGFUB; EPO; 2003/02/22 JPO; DERWENT; 09:41 IBM_TDB	
105	L108	1	107 and extruder or knead33	USPAT; US-PGFUB; EPO; 2003/02/22 JPO; DERWENT; 09:41 IBM_TDB	

	L #	Hits	Search Text	DBs	Time Stamp
106	L10913	112	and length	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 09:41 IBM_TDB	
107	L11055	101	and length and diameter	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 09:41 IBM_TDB	
108	L111076	spheronizer or spheronized and time and rpm	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 09:43 IBM_TDB		
109	L112226	111 and (granular or granule or granulate)	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 09:44 IBM_TDB		
110	L5732	bead near5 (calcium or zinc) adj stearate	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 09:50 IBM_TDB		
111	L1132	103 and 57	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 09:50 IBM_TDB		
112	L114398	7.ti.	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 09:50 IBM_TDB		
113	L1150	114 and residence adj time and rpm	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 09:51 IBM_TDB		
114	L11612	114 and time and rpm	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 09:53 IBM_TDB		
115	L1171	de-1842058-s.did.	USPAT; US-PGPUB; EPO; 2003/02/22 JPO; DERWENT; 09:53 IBM_TDB		

	L #	Hits	Search Text	DBs	Time Stamp
118	1118 39		SPROCKETS IS SPROCKETS	ERC; PERCENT	11:11 AM '03 09:09